

U.S. Patent Application No. 09/640, 629  
Reply to Final Office Action dated August 9, 2006

PATENT  
450100-02651

### IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

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#### Listing of Claims

1. (Currently Amended) An image processing apparatus comprising:  
image processing means for generating desired still image data corresponding to inputted image data;  
printing state information request generating means for generating the printing state information request requesting the printing state information indicating a printing state of a printing device;  
outputting means for outputting the still image data generated in said image processing means included in a packet and for defining the printing state information request generated by said printing state information request generating means by an AV/C command set consistent with a FCP (Function Control Protocol) and for outputting the resulting request to the printing device; and  
printing state presentation means for presenting to a user the printing state in accordance with the printing state information on the image processing apparatus,  
wherein said outputting means ~~periodically~~ repeatedly outputs said printing state information request to said printing device at a variable interval.

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2. (Previously Presented) The image processing apparatus according to claim 1 wherein

said outputting means outputs said printing state information request before transmitting a command indicating the start of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that image data is being transmitted.

3. (Currently Amended) An image processing method comprising:  
generating desired still image data corresponding to inputted image data;  
generating a printing state information request which requests printing state information indicating a printing state of a printing device;  
having the generated still image data contained in a packet to output the resulting packet to said printing device;  
simultaneously defining the generated printing state information request in an AV/C command set consistent with an FCP (Function Control Protocol) to output the resulting defined printing state to said printing device;  
receiving said printing state information transmitted from said printing device in accordance with said FCP; and  
presenting the printing state to a user in accordance with the printing state information on an image processing apparatus,  
~~periodically-repeatedly~~ transmitting said printing state information request to said printing device at a variable interval.

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4. (Previously Presented) The image processing method according to claim 3 wherein said printing state information request is outputted before transmitting a command indicating the start of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that image data is being transmitted.

5. (Currently Amended) A printing device comprising:  
inputting means fed with still image data contained in a packet and with a printing state information request defined by an AV/C command set consistent with an FCP (Function Control Protocol);  
printing means for printing still image data inputted to said inputting means;  
printing state information generating means for generating the printing state information indicating a printing state of the printing device; and  
outputting means for outputting said printing state information in accordance with the FCP responsive to the printing state information request fed to said inputting means to be displayed to a user on an image processing apparatus,  
wherein said inputting means ~~periodically~~repeatedly receives said printing state information request at a variable interval.

6. (Currently Amended) A printing method comprising:  
inputting still image data contained in a packet and a printing state information request defined by an AV/C command set consistent with an FCP (Function Control Protocol);  
printing the input still image data; and

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generating the printing state information indicating a printing state responsive to the input printing state information request to output said printing state information in accordance with the FCP to be displayed to a user on an image processing apparatus,  
~~periodically~~ repeatedly inputting said printing state information request at a variable interval.

7. (Currently Amended) An image printing system comprising:

an image processing apparatus comprising:

image processing means for generating desired still image data corresponding to inputted image data;

printing state information request generating means for generating the printing state information request requesting the printing state information indicating a printing state of a printing device;

outputting means for having the still image data generated in said image processing means included in a packet and for defining the printing state information request generated by said printing state information request generating means by an AV/C command set consistent with a FCP (Function Control Protocol) and for outputting the resulting request to the printing device;

wherein said outputting means periodically outputs said printing state information request to said printing device at a variable interval; and

printing state presentation means for presenting to a user the printing state in accordance with the printing state information on the image processing apparatus;

said printing device comprising:

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inputting means fed with still image data outputted by said image processing apparatus and with a printing state information request;

printing means for printing the still image data fed to said inputting means;

printing state information generating means for generating the printing state information indicating the printing state of the printing device; and

outputting means for outputting said printing state information in accordance with the FCP to said image processing apparatus responsive to the printing state information request fed to said inputting means,

wherein said inputting means ~~periodically~~ repeatedly receives said printing state information request at a variable interval.

8. (Previously Presented) The image processing apparatus according to claim 7 wherein,

said outputting means of the image processing apparatus outputs said printing state information request to the printing device before transmitting a command indicating the start of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that image data is being transmitted.

9. (Currently Amended) An image printing method wherein  
on an image processing device, desired still image data corresponding to inputted image data are generated, a printing state information request which requests the printing state information indicating a printing state of a printing device is generated, the generated still image data is contained in a packet, and the resulting packet is outputted to said printing device; the

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generated printing state information request is defined in an AV/C command set consistent with an FCP (Function Control Protocol) to output the resulting defined printing state information request to said printing device;

wherein said printing state information request is ~~periodically~~repeatedly outputted to said printing device at a variable interval;

wherein on a printing device side, still image data outputted by said image processing apparatus and a printing state information request are inputted, the input still image data is printed, the generated printing state information indicating the printing state of the printing device is outputted responsive to the input printing state information request to the image processing apparatus in accordance with the FCP; and

wherein on the image processing side, said printing state information transmitted from said printing device in accordance with an FCP is received and the printing state is presented to a user in accordance with the printing state information on an image processing apparatus.

10. (Previously Presented) The image printing system according to claim 9 wherein said outputting means of the image processing apparatus outputs said printing state information request to the printing device before transmitting a command indicating the start of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that image data is being transmitted.

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11. (Currently Amended) A recording medium having stored therein an image processing program, said program comprising:

- generating desired still image data corresponding to inputted image data;
- generating printing state information request which requests the printing state information indicating a printing state of a printing device;
- having the generated still image data contained in a packet to output the resulting packet to said printing device;
- simultaneously defining the generated printing state information request in an AV/C command set consistent with an FCP (Function Control Protocol) to output the resulting defined printing state information request to said printing device;
- receiving said printing state information transmitted from said printing device in accordance with the FCP; and
- presenting the printing state to a user in accordance with said printing state information on an image processing apparatus,

wherein said printing state information request is ~~periodically~~ repeatedly outputted to said printing device at a variable interval.

12. (Currently Amended) A recording medium having stored therein an image processing program, said program comprising:

- inputting still image data contained in a packet and a printing state information request defined by an AV/C command set consistent with an FCP (Function Control Protocol);
- printing still image data inputted to said inputting means;

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generating the printing state information indicating the printing state responsive to the printing state information request to output said printing state information in accordance with the FCP to be displayed to a user on an image processing apparatus,  
~~periodically~~ repeatedly inputting said printing state information request at a variable interval.